

FIGURE 1

Human Basic Fibroblast Growth Factor

1
 AAT TCA TGC CTC TTT CTC TCC TTT TGT TGG TAG ACG ACT TCA GCC TCT GTC CTT 37
 TAA TTT TAA AGT TTA TGC CCC ACT TGT ACC CCT CBT CTT TTS GTG ATT TAG AGA 81
 TTT TCA AAG CCT GCT CTG ACA CAG ACT CTT CCT TGG ATT GCA ACT TCT CTA CTT 135
 TGG GGT GGA AAC GGC TTC TCC GTT TTG AAA CCG TAG CGG GGA AAA AAT GGG GGA 189
 GAA AGT TGA GTT TAA ACT TTT AAA AGT TGA GTC ACG GCT GGT TGC GCA CGA AAA 243
 GCC CCG CAG TGT GGA GAA AGC CTA AAC CTG GTT TGG GTG GTG CCG GGG TTG GGC 297
 GGG GGT GAC TTT TGG GGG ATA AAG GGC GGT GGA GCC CAG GGA ATG CCA AAG CCC 351
 TGC CCG GGC CTC CGA CCG GCG CCC CCC GCC CCT CCG CTC TCC CCC GGC CCC GAC 405
 TGA GGC CCG GCT CCC CCG CCG ACT GAT GTC GCG CCG TTS CTT GTT GTC GGC GAA 459
 GCC GGC GAA CTC AGA GGC CCG CCC CAG AAA ACC CGA GCG AGT AGG GGG CCG CCG 513
 GCA GGA GGG AAG AGA ACT GGG GGC GCG GGA GGC TGG TGG GTG TGG GGG GTG GAG 567
 ATG TAG AAG ATG TGA CCG CCG GGC CCG GCG GGT GCC AGA TTA GCG GAC GGC TGC 621
 CCG CCG TTS CAA CCG GAT CCC GGG CCG TGC AGC TTS GGA GGC GGC TCT CCC CAG 675
 GCG GCG TCC GCG GAG ACA CCC ATC TGT GAA CCC CAG GTC CCG GGC CCG CCG CTC 729
 GCC GCG CAC CAG GGG CCG GCG GAG AGA AGA GCG GCC GAG CCG CTC GAG GCT GGG 783
 GGA CCG CCG GCG CCG CCG GCT GCT GCG GCG GAG GCT GGG GGG CCG GCG CCG 837
 GGG CCG TCC CCG GAG CCG GTC GGA GCG CCG GCG CCG GCG GCG ACG GCG GCT 891
 CCC CCG GCG GCT CCA GCG GCT CCG GGA TCC CCG CCG GCG CCC GCA GGG ACC ATG 945
 1026
 GCA GCC GGG AGC ATC ACC ACG CTG CCC GCG TTS CCG GAG GAT GGC GGC ACG GGC 999
 Ala Ala Gly Ser Ile Thr Thr Leu Pro Ala Leu Pro Glu Asp Gly Gly Ser Gly 1026
 1088
 GCG TTC CCG CCC GCG CAC TTC AAG GAC CCC AAG CCG CTG TAC TGC AAA AAG GGG 1053
 Ala Phe Pro Pro Gly His Phe Lys Asp Pro Lys Arg Leu Tyr Cys Lys Asn Gly 1088
 1134
 GCG TTC TTC CTG CCG ATC CAC CCC GAC GCG CGA GTT GAC GCG GTC CCG GAG AAG 1107
 Gly Phe Phe Leu Arg Ile His Pro Asp Gly Arg Val Asp Gly Val Arg Glu Lys 1134
 1188
 AGC GAC CCT CAC ATC AAG CTA CAA CTT CAA GCA GAA CAG AGA GCA CTT CTG TCT 1161
 Ser Asp Pro His Ile Lys Leu His Leu His Ala Glu Glu Arg Gly Val Val Ser 1188
 1243
 ATC AAA GGA GTG TGT GCT AAC CBT TAC CTG GCT ATG AAG GAA GAT GGA AGA TTA 1215
 Ile Lys Gly Val Cys Ala Asn Arg Tyr Leu Ala Ser Lys Glu Asp Gly Arg Leu 1243
 1296
 CTG GCT TCT AAA TGT GTT ACG GAT GAG TGT TTC TTT TTT GAA CGA TTG GAA TCT 1269
 Leu Ala Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser 1296
 1358
 AAT AAC TAC AAT ACT TAC CCG TCA AAG AAA TAC ACC AGT TGC TAT GTG GCA TTG 1323
 Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val Ala Leu 1358
 1404
 AAA CGA ACT GGG CAG TAT AAA CTT GGA TCC AAA ACA GGA CCT GGG CAG AAA GCT 1377
 Lys Arg Thr Gly His Tyr Lys Leu Gly Ser Lys Thr Gly Pro Gly His Lys Ala 1404
 1456
 ATA CTT TTT CTT CCA ATG TCT GCT AAG AGC TGA TTT TAA TGG CCA CAT CTA ATC 1421
 Ile Leu Phe Leu Pro Ser Ser Ala Lys Ser 1456
 1512
 TTA TTT CAC ATG AAA GAA GAA GTA TAT TTT AGA AAT TTS TTA ATG AGA GTA AAA 1485
 1566
 GAA AAT AAA TGT GTA TAG CTC AGT TTS GAT AAT TGG TCA AAC AAT TTT TTA TCC 1539
 1620
 AGT AGT AAA ATA TGT AAC CAT GCG CAG TAA AGA AAA ATA ACA AAA GTT GTA AAA 1593
 1674
 TGT ATA TTC TCC CTT TTA TAT TGC ATC TGC TGT TAC CCA GTG AAG CTT ACC TAG 1643
 1728
 AGC AAT GAT CTT TTT CAC GCA TTT GCT TTA TTC GAA AAG AAG CTT TTA AAA TGT 1701
 1782
 GCA TGT TTA GAA AAC AAA ATT TCT TCA TGG AAA TCA TAT ACA TTA GAA AAT CAC 1755
 1836
 AGT CAG ATG TTT AAT CAA TCC AAA AAT GTC CAC TAT TTC TTA TGT CAT TCG TTA 1809
 1890
 GTC TAC ATG TTT CTA AAC ATA TAA ATG TGA ATT TAA TCA ATT CCT TTC ATA GTT 1863
 1944
 TTA TAA TTC TCT GCG AGT TCC TTA TAG AGT TTA TAA AAC AGT CCT GTG TAA 1917
 1971
 ACT GCT GCA AGT TCT TCC GCA ATT C

FIGURE 2
Human Acidic FGF

TGC	ATT	TTG	TGC	CTT	TGC	TGG	AAG	AAC	CGA	CTA	CAG	GTT	TGT	TCA	ATT	TCT	TAC	54
AGT	CTT	GAA	AGC	GCC	ACA	AGC	AGC	AGC	TGC	TGA	GCC	ATG	GCT	GAA	GGG	GAA	ATC	108
												MET	Ala	Glu	Gly	Glu	Ile	1
ACC	ACC	TTC	ACA	GCC	CTG	ACC	GAG	AAG	TTT	AAT	CTG	CCT	CCA	GGG	AAT	TAC	AAG	162
Thr	Thr	Phe	Thr	Ala	Leu	Thr	Glu	Lys	Phe	Asn	Leu	Pro	Pro	Gly	Asn	Tyr	Lys	20
																		10
AAG	CCC	AAA	CTC	CTC	TAC	TGT	AGC	AAC	GGG	GGC	CAC	TTC	CTG	AGG	ATC	CTT	CCG	216
Lys	Pro	Lys	Leu	Leu	Tyr	Cys	Ser	Asn	Gly	Gly	His	Phe	Leu	Arg	Ile	Leu	Pro	30
																		40
GAT	GGC	ACA	GTG	GAT	GGG	ACA	AGG	GAC	AGG	AGC	GAC	CAG	CAC	ATT	CAG	CTG	CAG	270
Asp	Gly	Thr	Val	Asp	Gly	Thr	Arg	Asp	Arg	Ser	Asp	Gln	His	Ile	Gln	Leu	Gln	50
																		60
CTC	AGT	GCG	GAA	AGC	GTG	GGG	GAG	GTG	TAT	ATA	AAG	AGT	ACC	GAG	ACT	GGC	CAG	324
Leu	Ser	Ala	Glu	Ser	Val	Gly	Glu	Val	Tyr	Ile	Lys	Ser	Thr	Glu	Thr	Gly	Gln	70
TAC	TTG	GCC	ATG	GAC	ACC	GAC	GGG	CTT	TTA	TAC	GGC	TCA	CAG	ACA	CCA	AAT	GAG	378
Tyr	Leu	Ala	MET	Asp	Thr	Asp	Gly	Leu	Leu	Tyr	Gly	Ser	Gln	Thr	Pro	Asn	Glu	80
																		90
GAA	TGT	TTG	TTC	CTG	GAA	AGG	CTG	GAG	GAG	AAC	CAT	TAC	AAC	ACC	TAT	ATA	TCC	432
Glu	Cys	Leu	Phe	Leu	Glu	Arg	Leu	Glu	Glu	Asn	His	Tyr	Asn	Thr	Tyr	Ile	Ser	110
																		100
AAG	AAG	CAT	GCA	GAG	AAG	AAT	TGG	TTT	GTT	GGC	CTC	AAG	AAG	AAT	GGG	AGC	TGC	486
Lys	Lys	His	Ala	Glu	Lys	Asn	Trp	Phe	Val	Gly	Leu	Lys	Lys	Asn	Gly	Ser	Cys	120
																		130
AAA	CGC	GGT	CCT	CGG	ACT	CAC	TAT	GGC	CAG	AAA	GCA	ATC	TTG	TTT	CTC	CCC	CTG	540
Lys	Arg	Gly	Pro	Arg	Thr	His	Tyr	Gly	Gln	Lys	Ala	Ile	Leu	Phe	Leu	Pro	Leu	140
																		150
CCA	GTC	TCT	TCT	GAT	TAA	AGA	GAT	CTG	TTC	TGG	GTG	TTG	ACC	ACT	CCA	GAG	AAG	594
Pro	Val	Ser	Ser	Asp														155
TTT	CGA	GGG	GTC	CTC	ACC	TGG	TTG	ACC	CAA	AAA	TGT	TCC	CTT	GA				621

Figure 3

Comparison of amino acid sequence of human basic and acidic FGF

(basic/acidic)

	10	20	30	40	50	60
1	MAAGSITTL	PALPEDGGG	AFPPGHFK	DPKRLYCK	NGGFFLRI	HPDGRVDG
	:: :: :: ::	:: :: :: ::	:: :: :: ::	:: :: :: ::	:: :: :: ::	:: :: :: ::
1	MAEGEITTF	TALTEKFN	L---PPGN	YKKPKLL	YCSNGGH	FLRILPDG
	10	20	30	40	50	60

Heparin Binding Domain Receptor Binding Domain

	70	80	90	100	110	120
KLQLQAE	ERGVS	IKGVC	ANRYL	AMKED	GRLLS	AKCVTD
:: :: ::	:: :: ::	:: :: ::	:: :: ::	:: :: ::	:: :: ::	:: :: ::
QLQLSAE	SVGEV	YIKST	ETGQY	LAMD	TDGLL	YGSQTP
60	70	80	90	100	110	120

Receptor Binding Domain Heparin Binding Domain

	130	140	150
TS--WYV	ALKRTG	QYKLG	SKTGPG
:: :: ::	:: :: ::	:: :: ::	:: :: ::
AEKNWF	VGLK	KNCS	CKRG
120	130	140	150

Heparin Binding Domain

FIGURE 4

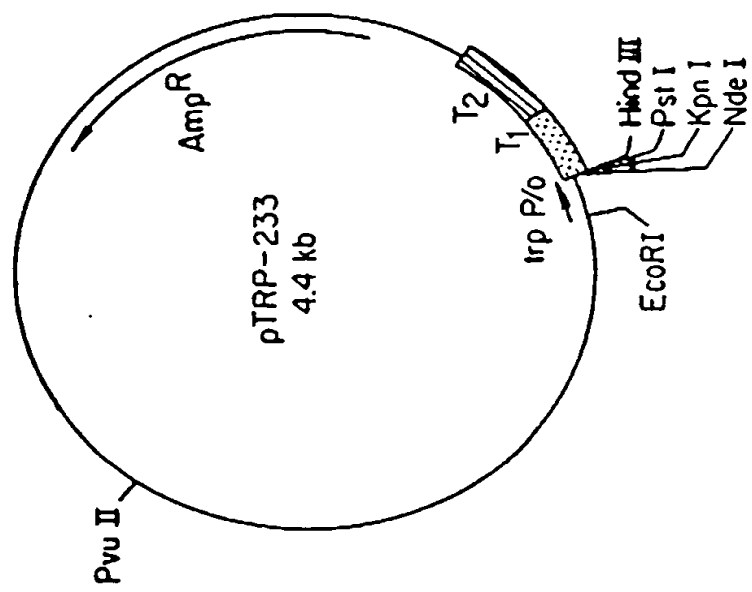
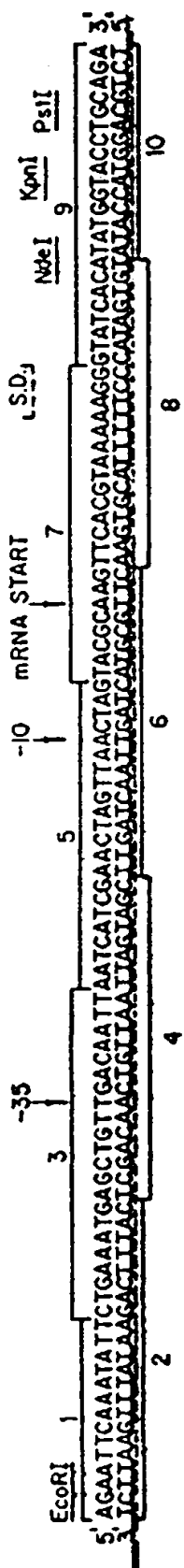


FIGURE 5

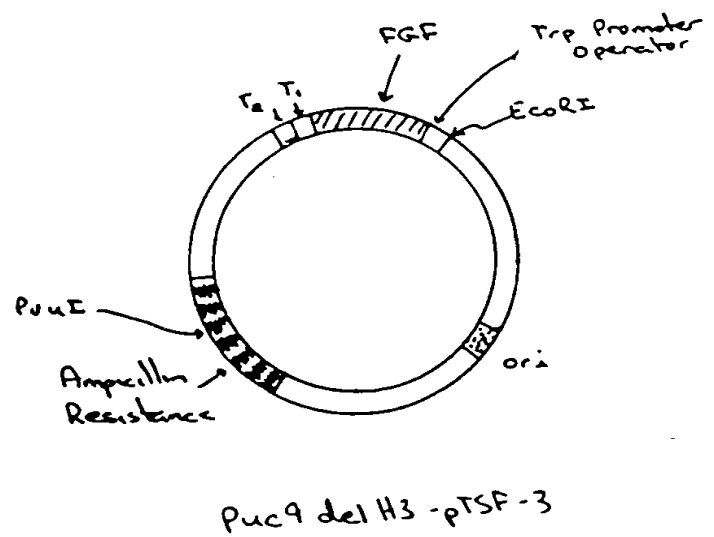
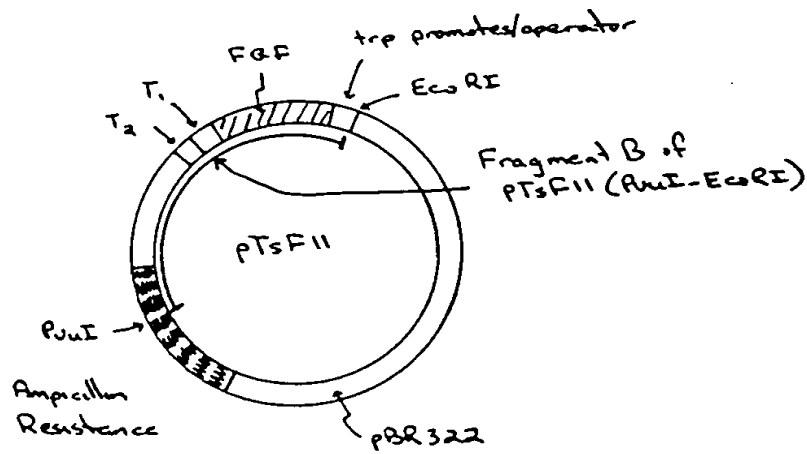
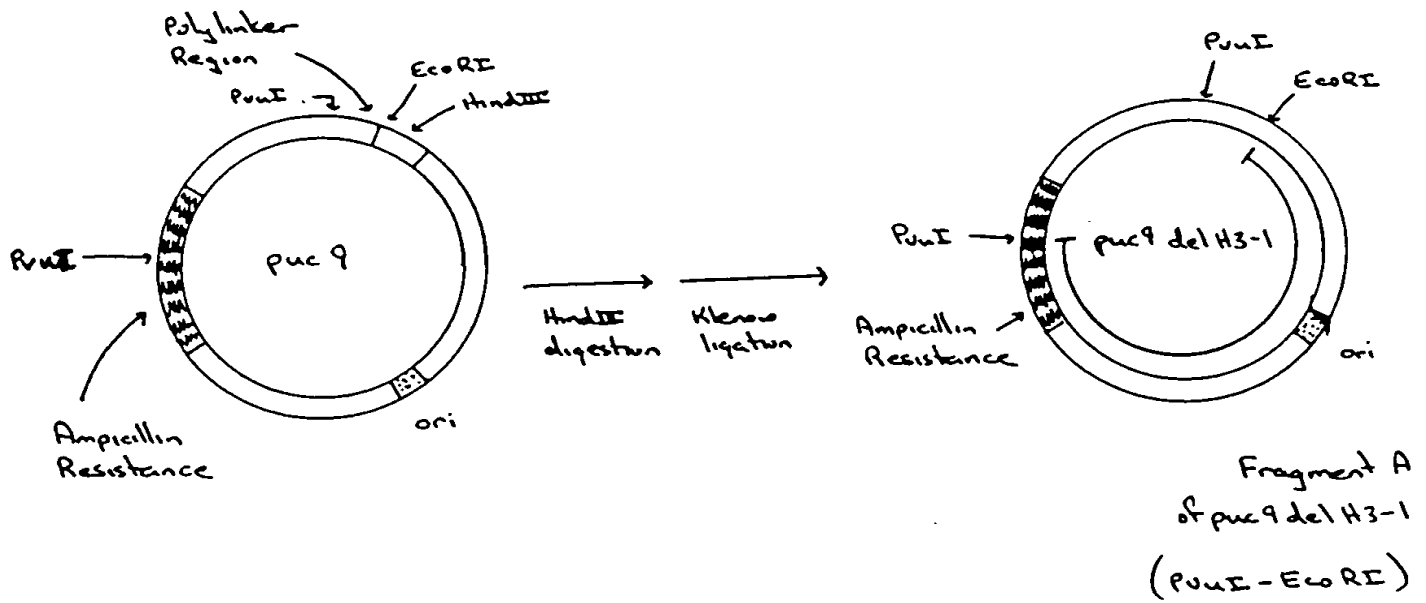


FIGURE 6

